TouchPad
User Operating Guide

For use with TouchPad Firmware v1.4

Contents Table	
Function	**Page**

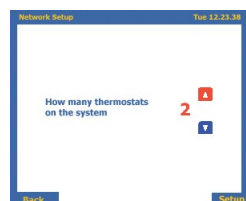# Initial Setup Procedure

When you first install the system, you need to tell the TouchPad how many thermostats you have.

From the Main Menu press

From this System Screen, press

Using the Up/Down arrow keys we can enter the number of thermostats.

When you are happy with the setting, press Setup.

Query: The query feature allows you to see which thermostats are communicating with the TouchPad

You can now enter the title for the thermostats. Pressing the arrow next to "Thermostat 1" allows you to enter the titles for the other thermostats on the network.

The address number relates to the communication number set in the thermostat.

If you wish to enter numbers within the title, press ABC. This will display the numeric keypad.

Press Store to save any changes.

Viewing / Programming your Heating System

From the Main Menu, press
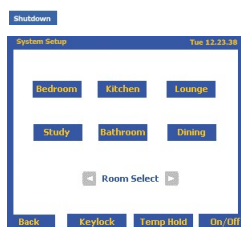
You can then select the room you wish to program by pressing the Room Title on the screen.

You can press the Left / Right arrow buttons to see the other thermostats on the system.

You can also select the Keylock / On/Off or Temp Hold function on this screen. (See page 8 for details)

Non Programmable Thermostats

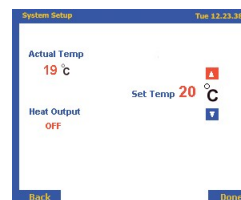When a non-programmable thermostat is connected to the TouchPad, you will see a display as shown here.

On this model you can;
1. Adjust the set temperature.

System Setup	Tue 12.23.38
Actual Temp	
19 ˚c	Set Temp **20** ˚C
Heat Output	
OFF	
Back	Done

Programming the Comfort Levels

On selected models you can program comfort levels, simply select the period you wish to program, these are labelled as Wake, Leave, Return and Sleep.

You should enter the start time and desired temperature for this period. For any unused periods, select --.-- which can be found by decreasing the hours setting below 00

Alter BEDROOM	Tue 12.23.38
Wake	Leave	Return	Sleep

08:00   **19**˚C

| Back | Copy | Done |

Copy Function
There is a function which allows you to copy the comfort levels from one thermostat to
another or to ALL thermostats on the system.

Simply select the thermostat to copy from and the thermostat to copy to. When you are happy with the selection, press Done.

System Setup	Tue 12.23.38
	From	
Bedroom	Kitchen	Lounge
	To	
Study	Bathroom	Dining
Back		Done

Programming the Hot Water Levels

When you connect a PRT/HW-N to the TouchPad you can program the hot water times as well as the Heating levels.

To program the hot water levels, select weekday or weekend and then program each period by selecting Period 1 - 4.

Operating a TM1-N (Time Clock) from the Heatmiser TouchPad
The TM1 offers three modes of operation, 1)Count-down timer mode 2)5/2 time clock mode 3) 7 day time clock mode. The mode is selected on the TM1-N, and then according to the mode selected, can be operated on the TouchPad.

Mode 01 - Countdown Timer
This mode is used as an override switch, enabling the output during the countdown period.

When the TM1-N is setup in this mode, the following screen is displayed. On this screen, you can use the arrow keys to select the countdown period. To accept, press Done.

The TouchPad Holiday mode will not work with the TM1-N in this mode.

Mode 02 - 5/2 Day Time Clock
This mode is a 5/2 day time clock

It allows you to program 4 switching period for the weekday and 4 different periods at the weekend.

When you are happy with the times, press Done to store.

During a holiday period, the TM1-N (Mode 2) will flash Timer Off for the duration of the holiday period.
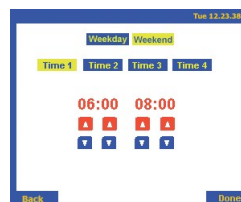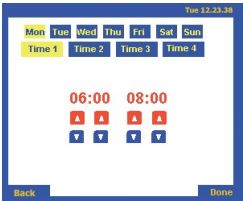
Mode 03 - 7 Day Time Clock

This mode is a 7 day time clock

It allows you to program 4 switching periods each day of the week.

When you are happy with the times, press Done to store.

During a holiday period, the TM1 (Mode 3) will flash Timer Off for
the duration of the holiday period.

**Operating aHC-N from the TouchPad**
The HC-N is a heating and cooling thermostat, offering three modes of operation, 1)Heating only
2)Cooling Only   3)Heating and Cooling The mode is selected on the HC-N, and then according
to the mode selected, can be operated on the TouchPad.

Heating Mode
In this mode, you can program the heating set temperatures as well as the 4 switching times for
the weekday and 4 different times for the weekend.

This display shows the Actual temperature, and the output / timer
status.

The fan speed can also be selected between low, medium, high
and automatic. In auto mode, the HC-N will determine the
appropriate fan speed.
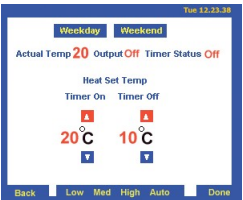
The HC-n allows 4 switching times to be programmed for the
weekday and 4 diferrent at the weekend. During a timed period, the Timer On temperature is
maintained and when there is no switching period set the Timer Off setting is maintained.
Selecting Weekday / Weekend allows you to adjust these settings.

During a holiday condition, the HC-N will flash Timer Off for the duration of the holiday.

Cooling Mode

In this mode you can program a cooling set temperature as well 4 switching times for the weekday and 4 different times for the weekend.

During a time period, the HC-N will monitor the actual temperature and should it rise above the cooling set temperature, the cooling valve will be activated as well as the fan output.

The fan speed can be set between low, medium, high and automatic. In automatic mode, the HC-N will determine the correct speed.

Pressing Weekday / Weekend allows you to adjust these settings, whilst using the temperature arrow keys allows you to alter the cooling set temperature.

During a holiday condition, the HC-N will flash Timer Off for the duration of the holiday.

Heating & Cooling Mode

In this mode, you can program both heating and cooling set temperatures as well as 4 switching times for the weekday and 4 different times for the weekend.

During a time period, the HC-N will monitor the actual temperature and will automatically switch between heating and cooling.

The fan speed can be set between low, medium, high and automatic. In automatic mode, the HC-N will determine the correct speed.

Pressing Weekday / Weekend allows you to adjust these settings, whilst using the temperature arrow keys allows you to alter the heating and cooling set temperatures.

During a holiday condition, the HC-N will flash Timer Off for the duration of the holiday.

When the HC-N is in this mode, an additonal setting is available, this is known as Deadband.

Key Lock Function
You are able to lock the keypad on each thermostat to stop the tampering of the programmed settings. To select the thermostats you wish to lock, simply place a cross next to the room title. When you are happy with your selection, press Done.

Temperature Hold
This function can be used if you wish to maintain the same temperature for a certain length of time. (Useful if you are going out for example) To use this function, simply select the temperature to hold and the desired hold period. You can then select which thermstats you want this temperature to apply to. This function is not possible on the TM1-N or modes 2&3 on the HC-N

Turning the Thermostat On or Off
This function allows you to turn individual thermostat displays on or off. In this mode, the thermostat will **not** work to the programmed setting but will maintain the frost protection temperature if the frost protection function has been enabled. See the thermostat manual for advice on enabling the frost protection function. **Note:** A cross next to the room title means

Hot Water Boost

Hot Water Boost
For those controlling their hot water by a PRT/HW-N, you can quickly override the hotwater by using the Hot Water Boost function. If you have 2 PRT/HW-N, you are prompted to select which cylinder you wish to override.
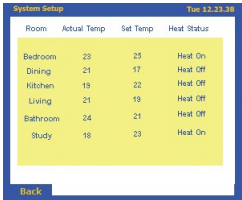
To override, press

Then enter the number of hours you wish the hot water to be ON for.

To cancel the boost mode, repeat the steps above choosing to cancel the override early.
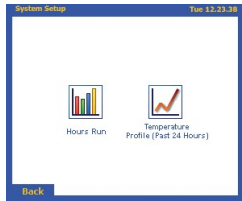
Quick View

Pressing Quick View from the Main Menu allows you to quickly see the actual and desired temperatures for all of the thermostats on the system.

History

Pressing History from the Main Menu allows you to view historic data gathered from each thermostat.

The TouchPad continuously monitors the network and automatically records the actual temperature and the number of hours the heating has been active. This information is very useful for pinpointing areas of high energy usage within your building.

Hours Run : The TouchPad stores the past 4 weeks hours run data for each thermostat. This will be presented as a bar graph. The TouchPad considers Sunday to be the start of the week.
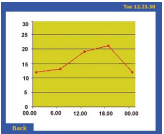
Temp Profile: The TouchPad stores the data for the past 24 hours. This will be presented as a line graph.

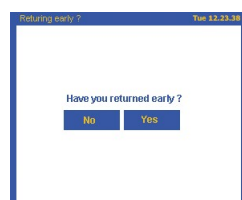Touch anywhere on the screen to zoom.

Holiday Setup

The TouchPad has a holiday feature which allows you to put the heating into Frost Mode.

To enable the holiday mode, press the Holiday button on the main screen. You will then be prompted to enter the length of the holiday.

The holiday will start immediately and will last for the number of days entered.
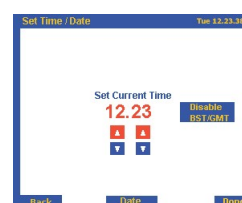
Returning early ?

If you return from your holiday early, you can quickly cancel the remainder of the holiday. Simply press Hoilday again from the Main Menu and then select yes to the "Returning Early? " question.

Selecting No allows the holiday to continue.

Time / Date

From the Main Menu press System
From the System Menu press Time/Date

You are now able to enter the current time by using the Up/Down arrows.

On this screen, you can also enable or disable the Auto BST / GMT Facility. This function will automatically adjust the clock for the winter / summer time.

The TouchPad will automatically synchronise the thermostat clocks every 1 hour.

Master Time Clock

The TouchPad features a master timeclock. Up to 4 switching times can be programmed for the weekday and 4 different times for the weekend.

You can then select which thermostats should work to this time clock. This time clock function is ideal if non programmable room thermostats are on the system. During the timed period, the thermostat will maintain their programmed temperature. Outside of the timed period, the thermostat will switch into frost mode.
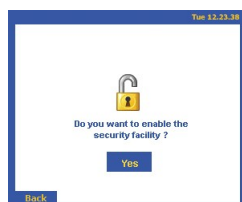
The frost temperature can be set differently on each thermostat. See Page 10 for details.

Press Setup to select which thermostats should work to this time time clock.

Now place a cross next to the thermostats you wish to follow this time clock.

Security

The TouchPad features a security feature which is disabled as a factory default.

When enabled, a password screen is prompted whenever you try to access the following menus

My System   HW Boost   Holiday   System

After enabling the function, you will be asked to enter a passcode. Use the Up/Down arrow keys to enter your preferred code. NB;You should contact your supplier should you forget or misplace your code.

Delete History

The TouchPad will record the historic data from each thermostat every 15 minutes. Should you wish to delete this history press the "Delete History" button from the System menu.

Setting the Frost Temperature Setting

Each thermostat has a frost temperature. This is the temperature used during a holiday period or when the thermostat display has been turned off (see page 5)
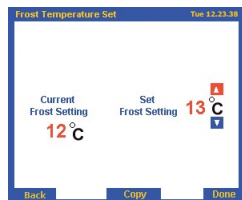
You can set the frost temperature for each individual thermostat on the TouchPad and in additon you can copy this setting to a selection of thermostats, reducing the setup time considerably.

From the Main Menu, press System
From the System menu press Extras
From the Extras menu, press Frost Temp
You should then select the room you wish to alter

You will then be presented with this screen. On this screen you can see the current frost temperature and you are able to adjust the frost temperature.

Once you have set the frost temperature, you can copy the setting to a number of other thermostats on the network.

To do this, press Copy and then select the thermostats you wish to copy it to.

When you are happy with your selection, press Done.

Setting the Floor Limit Temperature

Selected models incorporate floor limiting sensor, preventing the floor surface from overheating.

When you connect these models to the TouchPad, you can set the floor limit temperature and in addition you can copy this setting to a selection of DT-R2N /PRT-R2N thermostats on the network.

From the Main Menu, press System
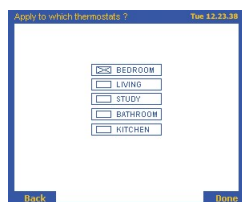From the System menu press Extras
From the Extras menu, press Floor Temp Limit
You should then select the room you wish to alter

You will then be presented with this screen. On this screen you can see the current floor temperature limit and you are able to adjust the set frost temperature.

Once you have set the floor temperature, you can copy the setting to a number of other DT-R2N / PRT-R2N thermostats on the network.

To do this, press Copy and then select the thermostats you wish to copy it to.

When you are happy with your selection, press Done.

ºC / ºF Mode

The TouchPad can work in ºC or ºF mode. Simply select the required temperature format on the TouchPad and the thermostats will be updated automatically.

Calibration

By pressing the cross hairs on the LCD, you are able to calibrate the touch screen.

Deadband

This setting is used only with the HC-N Mode 3. The deadband setting ensures the heating and cooling outputs do not conflict with each other. With a deadband setting of 02, the minimum cooling set temperature would be 02 degrees C above the heating set temperature.

Backlight

This function allows you to adjust the backlight brightness.

Statistics

This function displays the communication rate to each thermostat. This information is useful to identify communication errors on the system.

MASTER KEYPAD

SUPPLY

STAT COMMS

PC OR NET MONITOR PORT

+ - Y B C D

MAINS IN

PC ADAPTOR OR NET MONITOR

UH1

+
-
Y
B

UH1 KEYPAD TERMINALS

THERMOSTAT

+
-
A1
A2
Y
B

MASTER KEYPAD

SUPPLY   STAT COMMS   PC OR NET MONITOR PORT

+   -   Y   B   C   D

MAINS IN

POWER SUPPLY

+

-

PC ADAPTOR OR NET MONITOR

THERMOSTAT

+

-

A1

A2

Y

B